

Program Implementation of Educational Electronic Resource for Inclusive Education of People with Visual Impairment

[Lecture Notes on Data Engineering and Communications Technologies](#)

Book Chapter2023

DOI: 10.1007/978-3-031-36115-9_24

Tulashvili, Yurii, Lukianchuk, Iurii, Lishchyna, Valerii, Lishchyna, Nataliia

Abstract

It is substantiated that the educational software used in the educational process during the computer training of visually impaired people contributes to the formation of their correctional and compensatory devices for the use of computer technology. The peculiarities of the inclusive educational process of professional training of persons with visual impairments with the use of computer technology are pointed out. The architecture and features of creating educational software for the visually impaired are revealed. A mathematical model and algorithm for its implementation of educational software for support of inclusive educational process of professional training of persons with visual impairments have been developed. The developed training software presents the theoretical content of training in an adapted form. The developed practical tasks contain an exhaustive list for the formation of correctional and compensatory devices and the acquisition of skills and abilities to use computer technology for people with visual impairments. © The Author(s).

Author keywords

People with visual impairments; Software; Vocational rehabilitation